Notice of Allowability	Application No.	ication No. Applicant(s)	
	10/691,485	SHIMIZU, SHU	. 1
	Examiner	Art Unit	
	Andy Huynh	2818	X
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not included nunication will be mailed in due c	d course. THIS
1. This communication is responsive to			
2. 🗵 The allowed claim(s) is/are <u>1-7</u> .			
3. $igotimes$ The drawings filed on <u>24 October 2003</u> are accepted by th	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority unally All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" 	e been received. e been received in Applicat cuments have been receive	ion No ed in this national stage applicati	
noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subminiformal patent APPLICATION (PTO-152) which give	MENT of this application. itted. Note the attached EX	(AMINER'S AMENDMENT or NO	
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted		
(a) ☐ including changes required by the Notice of Draftspers		ew (PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		,	
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date		or in the Office action of	,
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			back) of
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 	sit of BIOLOGICAL MAT FOR THE DEPOSIT OF B	FERIAL must be submitted. N IOLOGICAL MATERIAL.	ote the
Attachment(s)			
1. ☑ Notice of References Cited (PTO-892)	5. Notice of I	Informal Patent Application (PTC)-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 10/24/03	08), 7. 🗌 Examiner'	o./Mail Date s Amendment/Comment	wanaa
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	o. ☑ Examiner 9. ☐ Other	s Statement of Reasons for Allov	walloc
o, biological Material	5 Ollier	<u> </u>	
•	David Nelms		
Supervisory Patent Examiner			
Technology Center 2800			

DETAILED ACTION

Claims 1-7 are pending in this application is acknowledged.

Allowable Subject Matter

Claims 1-7 are allowed.

The following is an examiner's statement of reason for allowance: The prior art of record fails to teach or suggest the limitation recited a method of manufacturing a nonvolatile semiconductor memory device comprises the steps of forming an interlayer insulating film covering the stacked structure and having a top surface approximately parallel to the main surface, forming a mask layer on the top surface of the interlayer insulating film, and forming an opening in the interlayer insulating film to be positioned between said stacked structures adjacent to each other by selectively etching the interlayer insulating film using the mask layer as a mask as claimed in independent claim 1; and a method of manufacturing a nonvolatile semiconductor memory device comprises the steps of forming an insulating film covering the stacked structure, forming a sidewall insulating film covering the side surfaces of a plurality of stacked structures by etching back the insulating film; and forming a source region extending along the plurality of floating gate electrodes, between the plurality of stacked structures in the semiconductor substrate, by implanting an impurity in the semiconductor substrate using the sidewall insulating film as a mask as claimed in independent claim 4.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

Art Unit: 2818

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy Huynh whose telephone number is (571) 272-1781. The examiner can normally be reached on Monday-Friday 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571) 272-1787. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Supervisory Patent Examiner Technology Center 2800

09/27/04